

## **Research Interest June 2017**

### **Dr. Serhat CANBOLAT**

My research interest area is mainly on; Reservoir Evaluation, Production Optimization, Enhanced Oil Recovery and Improved Oil Recovery Applications such as Surfactant Flooding, Steam Injection with Non Condensable Gases, CO<sub>2</sub> Injection, CO<sub>2</sub> Sequestration, Water Shut-Off Polymer Gel Injection Application both experimentally and by using Computer Simulation

Currently, I am working on an IOR study using the polymer gel application. Besides, my first aim to determine the cores heterogeneity and homogeneity by calculating fracture aperture using analytical and experimental solutions. Computer Tomography is used for visualization of the cores before and after the each experiment. An incremental recovery is calculated at the end of the experiments after polymer gel injection to the core. Residual saturation of the cores are calculated by CT scanner views and verified with the experimental data.